

# Deploying to Heroku


## Gitpod

1. Firstly Heroku needs to know which file to run the app, we accomplish this by typing **echo web: python app.py > Procfile** to generate a Procfile.
2. Next we need to install the flask application pymongo, we do this at the prompt using the command **pip3 install flask-pymongo** and also dnspython is needed for the application to run using the command **pip3 install dnspython**.
3. Next we need to generate the requirements file for Heroku, we do this at the terminal in Gitpod by typing **pip3 freeze --local > requirements.txt**, or **pip3 freeze --local >> requirements.txt** to update it after other packages are added.
4. After we have created these files they need to be pushed to GitHub since were are going to link the new Heroku app below with our GitHub repository.
  - git add .
  - git commit -m "Add requirements.txt and Procfile"
  - git pushIn our case we merged these files from branch1 into the main branch.

## Heroku



1. Open <https://www.heroku.com/> and log into the dashboard.
2. Select the 'new' button in the right hand corner and choose 'create new app'
3. Give your new app a unique name and select the appropriate region, then choose 'create app'.

App name

the-write-way is available

Choose a region

 Europe 

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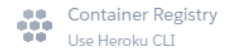
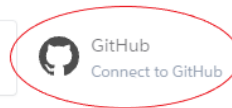
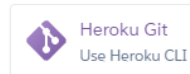
Add to pipeline...

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Create app

4. In this case since we are using Github to store our project repository, well choose automatic deployment through GitHub.

Deployment method



Browse for your repository and hit 'connect'

App connected to GitHub

Code diffs, manual and auto deploys are available for this app.

Connected to [KRyan23/The\\_Write\\_Way](#) by [KRyan23](#)

Disconnect...


Releases in the [activity feed](#) link to GitHub to view commit diffs

5. Now scroll up to choose the 'settings' tab and scroll down to 'Reveal Config Vars'

[Activity](#) [Access](#) [Settings](#)

**App Name**


the-write-way

**Region**  Europe

**Stack** heroku-20

**Framework** No framework detected

**Slug size** No slug detected

**GitHub repo**  [KRyan23/The\\_Write\\_Way](#)

**Heroku git URL** <https://git.heroku.com/the-write-way.git>

[Reveal Config Vars](#)

Since our env.py is deliberately hidden for security purposes, we need to manually add these back in the Config Vars section so Heroku can see them. Open the env.py file created earlier and 'add' each line taking care not to copy any " " into the fields.

Config Vars Hide Config Vars

IP	0.0.0.0	
PORT	5000	
SECRET_KEY	AA22CA3FA237B79E36635A42EA818	
MONGO_URI	mongodb+srv://admin:r00tUser@cluster0.dhq	
MONGO_DBNAME	theWriteWay	
KEY	VALUE	<span>Add</span>

- Now we can go back to the 'Deploy' tab and scroll down to 'Enable Automatic Deployments', choose the correct branch for your deployments, in this case we choose main even though pull requests from other branches were used throughout the project to merge with the main branch.

You can now change your main deploy branch from "master" to "main" for both manual and automatic deploys, please follow the instructions [here](#).

☒ Automatic deploys from main are enabled

Every push to main will deploy a new version of this app. **Deploys happen automatically:** be sure that this branch in GitHub is always in a deployable state and any tests have passed before you push. [Learn more](#).

☐ Wait for CI to pass before deploy  
Only enable this option if you have a Continuous Integration service configured on your repo.

Disable Automatic Deploys

- Scroll up to the top of the screen and choose the 'Open App' button to launch the new app and see the result in the browser.

Jump to Favorites, Apps, Pipelines, Spaces...

Open app More ▾

Access Settings

Our unique Url for the project: <https://the-write-way.herokuapp.com/>

This finishes the Heroku app deployment.